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L5: Entry 1 of 2

File: JPAB

Jun 13, 1991

PUB-NO: JP403139557A

DOCUMENT-IDENTIFIER: JP 03139557 A

TITLE: POLYESTER ELASTOMER COMPOSITION

PUBN-DATE: June 13, 1991

INVENTOR-INFORMATION:

NAME

COUNTRY

AKIBA, KAZUTERU

ISHII, HIROMITSU

YAMAMOTO, YOSHIYUKI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

DU PONT TORAY CO LTD

APPL-NO: JP01277398

APPL-DATE: October 25, 1989

INT-CL (IPC): C08L 67/02; C08K 5/06

ABSTRACT:

PURPOSE: To prepare the title compsn. exhibiting excellent sliding properties and having good mechanical properties by compounding a polyester elastomer with a specific poly(alkylene oxide) glycol monoalkyl ether.

CONSTITUTION: A polyester elastomer compsn. which exhibits excellent sliding properties and having good mechanical properties is prepd. by compounding: 100 pts.wt. polyester elastomer which mainly comprises an arom. dicarboxylic acid and an ester-forming deriv. thereof, an aliph. diol and an ester-forming deriv. thereof, and a poly(alkylene oxide) glycol having a number average mol.wt. of 500-6000, and of which the poly(alkylene oxide) glycol accounts for 10-80wt.%, and 0.1-20 pts.wt. compd. of the formula (wherein R is alkyl; R' is 1-6C alkylene; and (n) is 1-1000).

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☐ 2. Document ID: JP 2881620 B2, JP 03139557 A

L5: Entry 2 of 2

File: DWPI

Apr 12, 1999

DERWENT-ACC-NO: 1991-218520

DERWENT-WEEK: 199920

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TITLE: Polyester elastomer compsn. - comprises polyether:ester! block copolymer, aromatic di:carboxylic acid and/or ester forming deriv. aliphatic diol, etc.

PATENT-ASSIGNEE:

ASSIGNEE

CODE

TORAY DU-PONT KK

TORAN

PRIORITY-DATA: 1989JP-0277398 (October 25, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2881620 B2	April 12, 1999		005	C08L067/02
<u>JP 03139557 A</u>	June 13, 1991		005	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 2881620B2	October 25, 1989	1989JP-0277398	
JP 2881620B2		JP 3139557	Previous Publ.
JP03139557A	October 25, 1989	1989JP-0277398	

INT-CL (IPC): C08G 63/66; C08K 5/06; C08L 67/02; C08L 71/02; C08L 67/02; C08L 71/02

ABSTRACTED-PUB-NO: JP03139557A

BASIC-ABSTRACT:

Polyester elastomer compsn. comprises 100 pts. wt. of (A) polyetherester block copolymer with 0.1 to 20 pts. wt. of (B) a cpd. of formula

RO(R'O)nOH (I)

(where R = alkyl; R' = 1-6C alkylene; n = integer 1 to 100).

(A) consists mainly of (a) aromatic dicarboxylic acid and/or ester-formable deriv., (b) aliphatic diol and/or ester-formable deriv., and (c) poly(alkylene oxide) glycol having number average molecular wt. of 500 to 6,000. (c) accounts for 10 to 80 wt.% of (A).

(a) is pref. terephthalic acid and/or dimethyl terephthalate. (b) is e.g. PBTP. (c) is e.g. poly(tetramethylene oxide) glycol or addition polymer of poly(propylene oxide) glycol and ethylene oxide. R in formula (I) is e.g. dodecyl or stearyl. (R' in formula (I) is e.g. ethylene or propylene).

USE/ADVANTAGE - For parts of motorcars and machines . Has good sliding properties and mechanical properties. @(5pp dwg.No 0/0)

TITLE-TERMS: POLYESTER ELASTOMER COMPOSITION COMPRISE POLYETHER POLYESTER BLOCK COPOLYMER AROMATIC DI CARBOXYLIC ACID ESTER FORMING DERIVATIVE ALIPHATIC DIOL

DERWENT-CLASS: A23 A25 A88 A95

CPI-CODES: A05-E09; A12-T04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0005 0009 0010 0013 0016 0226 1279 1291 1317 1384 1456 1462 1587 1588 1592 1594 1602 1606 1608 1630 1634 1665 1669 1672 1676 1678 2585 2612 2621 2629 2658 2744 3300

Multipunch Codes: 014 02& 028 032 035 038 039 081 143 144 147 151 155 157 163 166 169 170 198 200 202 203 336 37- 551 560 567 57& 575 582 583 589 597 599 623 629 672 688 692 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-094954

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POLYESTER ELASTOMER COMPOSITION

Pub. No.: 03-139557 [JP 3139557 A]

Published: June 13, 1991 (19910613)

Inventor: AKIBA KAZUTERU

ISHII HIROMITSU

YAMAMOTO YOSHIYUKI

Applicant: DU PONT TORAY CO LTD [489279] (A Japanese Company or Corporation), JP (Japan)

Application No.: 01-277398 [JP 89277398]

Filed: October 25, 1989 (19891025)

International Class: [5] C08L-067/02; C08K-005/06; C08L-067/02; C08L-071/02

JAPIO Class: 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds)

Journal: Section: C, Section No. 865, Vol. 15, No. 353, Pg. 156, September 06, 1991 (19910906)

ABSTRACT

PURPOSE: To prepare the title composition exhibiting excellent sliding properties and having good mechanical properties by compounding a polyester elastomer with a specific poly(alkylene oxide) glycol monoalkyl ether.

CONSTITUTION: A polyester elastomer composition which exhibits excellent sliding properties and having good mechanical properties is prepared by compounding: 100 pts.wt. polyester elastomer which mainly comprises an aromatic dicarboxylic acid and an ester-forming derivative thereof, an aliphatic diol and an ester-forming derivative thereof, and a poly(alkylene oxide) glycol having a number average mol.wt. of 500-6000, and of which the poly(alkylene oxide) glycol accounts for 10-80wt.%, and 0.1-20 pts.wt. compound of the formula (wherein R is alkyl; R' is 1-6C alkylene; and (n) is 1-1000).

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